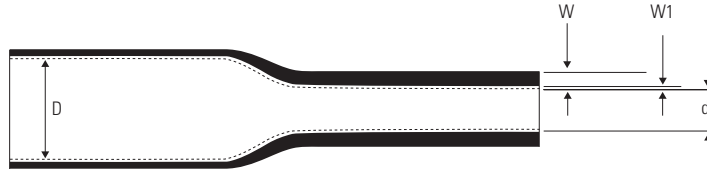


Semi-rigid selectively crosslinked heat-shrinkable encapsulation tubing



Ordering information

Inside diameter		Wall thickness		Standard package
D (min)	d (max)	W (nom)	W1 (nom)	1.22m length
Expanded as supplied	Recovered after heating	Total wall recovered after heating	Meltable wall recovered after heating	quantity
mm	mm	mm	mm	m
3.2	0.6	0.96	0.51	30
4.8	1.5	1.09	0.64	30
6.4	2.0	1.19	0.69	30
9.5	3.4	1.27	0.76	30
12.7	5.0	1.39	0.89	30
19.1	8.0	1.65	1.02	30
25.4	10.2	1.90	1.02	30

The largest size that will recover snugly over the component to be covered should be ordered.

The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.

Other lengths, colours (colour coded by size) and sizes are available subject to special order.

SCL is available in special UL approved constructions.

Standard colours

Colour	Black
Code	0

Performance

Test	Test method	Test requirement
Heat shock:	4 h at 250°C	Pass – no dripping, cracking or flowing of outer wall
Heat ageing:	168 h at 175°C	Pass – no dripping, cracking or flowing of outer wall
Low temperature flexibility:	4 h at -55°C	Pass – no cracking
Fluid resistance:	24 h at 23°C	Tensile strength: 7 MPa (min)
	ISO 37, ISO 1817	Ultimate elongation: 150% (min)
	Test fluids:	Aircraft fuel – test liquid B
		Phosphate, ester based – test liquid 103
		Lubricating oil, ester based – test liquid 101

For full product performance details consult Raychem Specification RT-1301

Specifications

Raychem Specification RT-1301
Material Safety Data Sheet available on request

Approvals

UL E85381
AFS 2059/A

- **Liner flows at 90°C**
- **UL approved construction is available**
- **One-step moisture proof encapsulation**
- **Shrink ratio 2.5:1**

Raychem SCL is a semi-rigid heat-shrinkable tubing with a meltable inner wall, designed to provide one-step moisture proof encapsulation of a wide variety of electrical parts including wire splices, breakouts and electronic components. Manufactured from radiation cross-linked polyolefins, SCL has an inner wall which melts when heated and is forced into the crevices and interstices by the shrinking action of the outer tubing. When cooled the entire mass becomes a rigid, tough, homogeneous covering with a controlled wall thickness. SCL shrinks to between 17% and 40% of its supplied diameter according to size and therefore few sizes are required to cover a range of irregular shapes with widely varying dimensions.

Unaffected by most solvents and chemicals and non-corrosive in contact with electrical joints, SCL also has a high dielectrical strength.



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